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PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY
(CHAPTER I OR CHAPTER II
OF THE PATENT COOPERATION TREATY)

(PCT Rules 44bis.3(c) and 72.2)

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Date of mailing (day/month/year) 14 September 2006 (14.09.2006)

Applicant's or agent's file reference F1348P-WO

International application No. PCT/JP2004/019405

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International filing date (day/month/year)
24 December 2004 (24.12.2004)

Applicant

NIPPON STEEL CORPORATION et al

1. Transmittal of the translation to the applicant.

The International Bureau transmits herewith a copy of the English translation of the international preliminar patentability (Chapter I).	y report on
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The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

EP, KR

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

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3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

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PATENT COOPERATION TREATY

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Analia	41	4- Cl. C		·					
Applicant's or agent's file reference F1348P-WO FOR FURTHER			FOR FURTHER	ACTION	See Form PCT/IPEA/416				
113401 WO			International filing	late (dav/month/year)	Priority date (day/month/year)				
			24.12.20		24.12.2003				
				onal classification and		24.12.2005			
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Applicant									
NIF	PON	STEEL (CORPORA!	rion					
I.	This r	report is the inte	restional prelic	nicari examination r		s International Preliminary Examining Authority			
*.	under	Article 35 and t	ransmitted to th	mnary examination re e applicant according	eport, established by this to Article 36.	s International Preliminary Examining Authority			
2.	This F	REPORT consist	s of a total of	4	sheets, includi	ing this cover sheet.			
3.	This	eport is also acc	ompanied by A	NNEXES, comprising					
	a. [sent to the	e applicant and	to the International B	ureau) a total of	sheets, as follows:			
		sheet	s of the descrip	tion, claims and/or dr	awings which have been	amended and are the basis for this report and/or			
		sheet	s containing reductions).	ctifications authorized	by this Authority (see R	Rule 70.16 and Section 607 of the Administrative			
		sheet the d	s which supersolisclosure in the	ede earlier sheets, but international applica	which this Authority co	ensiders contain an amendment that goes beyond d in item 4 of Box No. I and the Supplemental			
	_	Box.							
	ь	(sent to the	e International i	Bureau only) a total of	f (indicate type and numb	per of electronic carrier(s))			
						, containing a sequence listing and/or tables			
related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).									
4.	This re	eport contains in	dications relation	ng to the following ite	ms:				
	\boxtimes	Box No. I	Basis of the report						
•		Box No. II	Priority						
	\sqcap	Box No. III							
	\exists				h regard to novelty, inver	ntive step and industrial applicability			
		Box No. IV		y of invention					
		Box No. V	Reasoned st citations and	atement under Article Lexplanations support	35(2) with regard to noving such statement	elty, inventive step or industrial applicability;			
		Box No. VI	Certain doc	ments cited					
		Box No. VII	Certain defe	defects in the international application					
		Box No. VIII	Certain obse	ervations on the intern	ational application				
Date of	submiss	ion of the dema	nd	***	Date of completion of t	his report			
Name a	nd maili	ng address of th	e IPEA/JP		Authorized officer				
Facsimile No.				Telestera					

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/019405

Во	x No. I	Basis of the report	
i.	With	n regard to the language, this report is based on the internation cated under this item.	nal application in the language in which it was filed, unless otherwise
		This report is based on translations from the original langua which is the language of a translation furnished for the purp international search (Rule 12.3 and 23.1(b))	ge into the following language oses of:
		publication of the international application (Rule 12.4	,
		international preliminary examination (Rule 55.2 and/	
2.	recei	wing Office in response to an invitation under Article 14 are report): the international application as originally filed/furnished	report is based on (replacement sheets which have been furnished to the e referred to in this report as "originally filed" and are not annexed to
	ப	the description:	
			as originally filed/furnished
		·	received by this Authority on
		pages*	received by this Authority on
	Ш	the claims:	
		nos.	as originally filed/furnished
		nos.*	as amended (together with any statement) under Article 19
		nos.*	received by this Authority on
		nos.*	received by this Authority on
	Ш	the drawings:	
		sheets	as originally filed/furnished
		sheets*	received by this Authority on
		sheets*	received by this Authority on
		a sequence listing and/or any related table(s) - see Suppleme	ental Box Relating to Sequence Listing.
3.	Ш	The amendments have resulted in the cancellation of:	
		the description, pages	
		the claims, nos.	•
		the drawings, sheets/figs	
		the sequence listing (specify):	
		any table(s) related to sequence listing (specify):	
4.		This report has been established as if (some of) the amendathey have been considered to go beyond the disclosure as file	ments annexed to this report and listed below had not been made, since ed, as indicated in the Supplemental Box (Rule 70.2(c)).
		the description, pages	
		the claims, nos.	
		the drawings, sheets/figs	
		1 1	
*	If iter	m 4 applies, some or all of those sheets may be marked "supe	

International application No. PCT/JP2004/019405

Box	No. V Reasoned staten citations and ex	nent under Ar planations sup	ticle 35(2) with regard to novelty, inventive step or industrial applicability;	
t.	Statement			
	Novelty (N)		5, 7, 9-11 1-4, 6, 8, 12-46	YES
	Inventive step (IS)		5, 7, 9-11	NO YES
	1	,	1-4, 6, 8, 12-46	NO
	Industrial applicability (IA)	Claims Claims	1-46	YES
				110

2. Citations and explanations (Rule 70.7)

Box No. V

Document 1: JP 2002-373018 A (NTN Corp.), 26 December 2002, claims

Document 2: JP 2002-229635 A (Nippon Steel Corp.), 16 August 2002, claims

Claims 1 to 4, 6, 8 and 12 to 46

Documents 1 to 2 cited in the international search report both disclose a device for creating manufacturing/distribution schedules, which is equipped with a mathematical model storage device and an optimization calculation device.

Thus, the inventions set forth in the abovementioned claims are disclosed in documents 1 to 2; consequently, the inventions in question lack novelty and do not involve an inventive step.

Claims 5, 7 and 9 to 11

The optimization process that is carried out in the device for creating manufacturing/distribution schedules, wherein the feedback gain is calculated, an operation vector is determined from the feedback gain and state vectors that express the state of the progress of a process, and then each product within the abovementioned

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/0.19405

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

operation vector is arranged in a product sequence that gives a positive manipulated variable in order to move as many products as can be moved, is not disclosed in any of the documents that are cited in the international search report, and would not have been obvious to a person skilled in the art.